

ABSTRACT OF THE DISCLOSURE

A camera system which controls the driving of a focus lens through overlap control with a high degree of accuracy, is disclosed. The camera system comprises a lens apparatus with an image-taking optical system and a camera on which the lens apparatus is mountable. The camera system comprises a focus detection unit detecting a focusing state of the image-taking optical system, a driving unit driving the focus lens unit, and a controller controlling the driving speed of the focus lens unit and controls the focus detection unit to perform a focus detection operation at least once while the focus lens unit is moved. The controller sets the driving speed of the focus lens unit at the time of at least a final focus detection operation while it is moved toward an in-focus position, to a speed decelerated from the driving speed before the final focus detection operation.